

ABSTRACT

STRIPPING APPARATUS AND PROCESS

5 A stripping apparatus for desorbing gases from solid particles through which flows counter-currently a stripping fluid is described, which comprises a series of sets of at least two parallel, segmented, baffle plates each, with the segmented baffles being oriented so that the rows are offset relative to rows of other levels, where the thickness and separation of said sets of baffles is so
10 dimensioned as to reduce coalescence of the size of the formed bubbles and optimize the hydrocarbons desorption from said fluidized solid particles. The solid particles are mainly spent catalyst particles from a FCC process. The stripping process to be carried out in a fluidized bed comprises contacting the spent catalyst with a stripping fluid that flows upwardly in the fluidized bed in the
15 form of bubbles. Adsorbed hydrocarbons present in the spent catalyst are transferred from the catalyst emulsion that flows downwardly to the upwardly moving bubbles, so as to promote the efficient recovery of cracked products.